Product Information Sheet

COMMISSION DELEGATED REGULATION (EU) 2019/2015 with regard to energy labelling of light

sources	DELLOATED REGOT	-AITON (LO) 2013/2	o13 with regard to energ	gy labelling of light	
Supplier's nam	e or trade mark:	ORION			
Supplier's addr	ess: QC/LABOR, (Oberlaaerstraße 284	4, 1230 Wien, AT		
Model identifie	er: LM E27/4,5W	klar (Standard/2700	0K/470lm)		
Type of light so	ource:				
Lighting techno	logy used:	LED	Non-directional or directional:	NDLS	
Light source cap (or other electr	• •	E27			
Mains or non-n	nains:	MLS	Connected light source (CLS):	No	
Colour-tuneable	e light source:	No	Envelope:	-	
High luminance	e light source:	No			
Anti-glare shiel	d:	No	Dimmable:	Yes	
		Product para	meters		
Parameter		Value	Parameter	Value	
		General product p			
	mption in on- 100 h), rounded est integer	5	Energy efficiency class	F	
indicating if it r in a sphere (3	us flux (фuse), refers to the flux 60º), in a wide in a narrow cone	470 in Sphere (360°)	Correlated colour temperature, rounded to the nearest 100 K, or the range of correlated colour temperatures, rounded to the nearest 100 K, that can be set	2 700	
On-mode pressed in W	power (P _{on}),	4,5	Standby power (P _{sb}), expressed in W and rounded to the second decimal	0,00	
for CLS, expre	ndby power (P _{net}) ssed in W and second decimal	-	Colour rendering index, rounded to the nearest integer, or the range of CRI-values that can be set	80	
Outer	Height	105	Spectral power	See image	
dimensions	Width	60	distribution in the	in last page	
without	Depth	60		Page 1 /	

separate control gear, lighting control parts and non- lighting control parts, if any (millimetre)		range 250 nm to 800 nm, at full-load	
Claim of equivalent power ^(a)	Yes	If yes, equivalent power (W)	40
		Chromaticity	0,463
		coordinates (x and y)	0,420
Parameters for LED and OLED li	ght sources:		
R9 colour rendering index value	5	Survival factor	0,90
the lumen maintenance factor	0,94		
Parameters for LED and OLED m	ains light sources:		
displacement factor (cos φ1)	0,50	Colour consistency in McAdam ellipses	6
Claims that an LED light source replaces a fluorescent light source without integrated ballast of a particular wattage.	_(b)	If yes then replacement claim (W)	-
Flicker metric (Pst LM)	1,0	Stroboscopic effect metric (SVM)	0,4

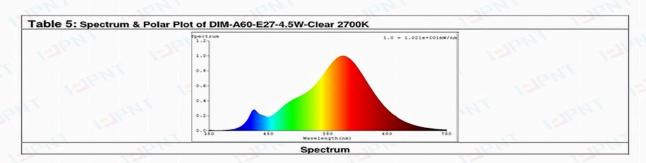
(a)'-': not applicable;

(b)_{'-'} : not applicable;

Report No.: PNT-TH21NO1331ERP

Sample No.	Initial Фuse (lm)	3600H Фuse (lm)	Х _{ІМЕМІ} % at 3600H	Survival factor at 3600H	Measured beam angle (°)	Measured Imax (cd)	Measured light output within π sr
1#	480.2	453.4	94.4%	Yes	314	10.10	. 101
2#	487.3	459.0	94.2%	Yes			
3#	479.5	452.0	94.3%	Yes	- 12-	-	
4#	477.0	450.7	94.5%	Yes	10.1	- 18	
5#	475.9	447.9	94.1%	Yes			
6#	486.3	459.4	94.5%	Yes		-	
7#	474.6	446.5	94.1%	Yes	-1/27	- 1	15.2.
8#	478.7	451.3	94.3%	Yes	1.	-	
9#	477.3	449.2	94.1%	Yes		-12	1100
10#	478.8	450.9	94.2%	Yes	1	-	
Average	479.6	452.0	94.3%	Yes	-	-	
Required		V	≥ 94%	≥ 90%	. 110.	1600	

Table 4 for model _LED driver								
Sample No.	Measured voltage(V)	Measured current (mA)	Input wattage (W)	Output wattage (W)	Energy efficiency	Pno (W)	Psb (W)	Pnet (W)
1#		03		1000				[]
2#)	
3#								
Average		-	169-3		77-		·	1600
Required	- A	- (-)			_			100



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